Algebra 2 Average Rate of Change Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Use the quadratic for the following:

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| 1. Write in Intercept Form by factoring. |  |
| 1. Find the vertex. |
| 1. Graph by plotting the x-intercepts and the vertex. |
| 1. Find the Average Rate of Change between:   x = 1 and x = 2 x= 1 and x = 1.5 x = 1 and x = 1.25 x = 1 and x = 1.1 | |

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1. Graph the quadratic .
2. Find the Average Rate of Change between x = 2 and x = 3.

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1. Find the equation of the secant line between x = 2 and x = 3.
2. Graph the quadratic .
3. Find the Average Rate of Change between x = -1 and x = 0.
4. Find the equation of the secant line between x = -1 and x = 0